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COVID Vaccines Are Gene Therapy, Contrary to Claims by Media 'Fact-Checkers'

Mainstream "fact-checkers" continue to deny that COVID-19 mRNA shots are gene therapy, but the fact-checker denials contradict the U.S. Food and Drug Administration's own definition and Moderna's Securities and Exchange Commission filings.

By Dr. Joseph Mercola

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Story at a glance:

- Mainstream media continue to state that messenger RNA (mRNA) COVID-19 shots "are distinct from gene therapy."
- But even their "fact-checking" is laughable, as it tries to use semantics to explain away the shots' gene therapy connections.
- In an article by "Reuters Fact Check," it's argued that mRNA COVID-19 shots are not gene therapy but instead are "genetic-based therapy."
- Media outlets also suggest COVID-19 shots aren't gene therapy because they don't change the body's genetic makeup, but this is only part of the U.S. Food and Drug Administration's (FDA) definition of gene therapy.
- The FDA's full definition also includes the words "or to alter the biological properties of living cells," which is precisely what the COVID-19 shots do.

mRNA COVID-19 shots are still being called "vaccines," even though they fulfill all the definitions of gene therapy and none of the definitions for a vaccine. The fact that the jabs are gene therapy, yet were mandated on entire populations without adequate testing, adds another nefarious layer to the many atrocities that occurred during the COVID-19 pandemic.

Mainstream media went along with the farce, spewing propaganda that mRNA COVID-19 shots "are distinct from gene therapy." But even their "fact-checking" is laughable, as it tries to use semantics to explain away the shots' gene therapy connections.

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Not gene therapy, but 'genetic-based therapy'

In an article by "Reuters Fact Check," it's argued that mRNA COVID-19 shots are not gene therapy because they're "rapidly degraded" by the body and don't integrate into humans' genomes or alter genetic makeup. But they admitted the shots are "genetic-based therapy."

According to the article:

> "Scientists told Reuters that while mRNA vaccines can be considered 'genetic-based therapy' because they use genetic code from COVID-19, they are not technically gene therapy."

Dr. Adam Taylor, a virologist and research fellow at the Menzies Health Institute, Queensland, Griffith University, told Reuters:

> "As mRNA is genetic material, mRNA vaccines can be looked at as a genetic-based therapy, but they are classified as vaccines and are not designed to alter your genes. Gene therapy, in the classical sense, involves making deliberate changes to a patient's DNA in order to treat or cure them.
>
> "mRNA vaccines will not enter a cell's nucleus that houses your DNA genome. There is zero risk of these vaccines integrating into our own genome or altering our genetic makeup."

But, writing in the International Journal of Molecular Science, independent researcher Helene Banoun explains:

> "The mode of action of mRNA vaccines should classify them as gene therapy products (GTP). But mRNAs as vaccines against an infectious disease have been excluded from GTP regulation by U.S. and EU regulations. No specific regulations existed before the year 2020 for mRNA vaccines. …
>
> "The wide and persistent biodistribution of mRNAs and their protein products, incompletely studied due to their classification as vaccines, raises safety issues. Post-marketing studies have shown that mRNA passes into breast milk and could have adverse effects on breast-fed babies.
>
> "Long-term expression, integration into the genome, transmission to the germline, passage into sperm, embryo/fetal and perinatal toxicity, genotoxicity and tumorigenicity should be studied in light of the adverse events reported in pharmacovigilance databases. The potential horizontal transmission (i.e., shedding) should also have been assessed."

Media lies about COVID-19 shots

Similar to Reuters, The Associated Press also published a "fact check" article titled "No, COVID-19 vaccines aren't gene therapy."

Both media outlets suggested COVID-19 shots aren't gene therapy because they don't change the body's genetic makeup. But this is only part of the FDA's definition of gene therapy:

> "Human gene therapy seeks to modify or manipulate the expression of a gene or to alter the biological properties of living cells for therapeutic use."

As you can see, the full definition also includes the words "or to alter the biological properties of living cells," which is precisely what the COVID-19 shots do. The mRNA in the COVID-19 jab are molecules that contain genetic instructions for making various proteins.

mRNA COVID-19 shots deliver synthetic mRNA with a genetic code that instructs your cells to produce a modified form of the SARS-CoV-2 spike protein.

In other words, they "alter the biological properties of living cells for therapeutic use."

Whether they modify your DNA is irrelevant. Note the word "or" in the FDA's definition. It means it can be one OR the other. They don't have to alter gene expression in order to still qualify as gene therapy, at least not per the FDA's definition.

Further, mRNA are molecules that contain genetic instructions for making various proteins. mRNA "vaccines" deliver a synthetic version of mRNA into your cells that carry the instruction to produce the SARS-CoV-2 spike protein, the antigen, that then activates your immune system to produce antibodies.

Moderna described COVID-19 shots as gene therapy

COVID-19 vaccines are not conventional vaccines made with live or attenuated viruses. The Pfizer and Moderna vaccines are made with lipid nanoparticles that contain polyethylene glycol and mRNA.

mRNA are snippets of genetic code that carry instructions for cells to produce proteins. The definition of genetic is "relating to genes" and genes contain instructional code that tell the body what proteins to make. Therapy is the medical treatment of disease, so mRNA vaccines are very clearly gene therapy.

As noted by David Martin, Ph.D., Moderna's Securities and Exchange Commission (SEC) filings specify and stress that its technology is a "gene therapy technology," originally intended for cancer treatment.

So, more specifically, it's a chemotherapy gene therapy technology.

Its mechanism of action also confirms it to be gene therapy. The mRNA gene therapies turn your cells into bioreactors that churn out viral proteins to incite an immune response, and there's no off-switch.

Additionally, Moderna's SEC filings specifically state that "Currently, mRNA is considered a gene therapy product by the FDA," as well.

They changed the definition of vaccine

By referring to COVID-19 vaccines as "vaccines" rather than gene therapies, the U.S. government is violating its 15 U.S. Code Section 41, which regulates deceptive practices in medical claims. Per this law, it is unlawful to advertise:

> "That a product or service can prevent, treat, or cure human disease unless you possess competent and reliable scientific evidence, including, when appropriate, well-controlled human clinical studies, substantiating that the claims are true at the time they are made."
>
> "Further, you cannot have a 'vaccine' that does not meet the definition of a vaccine. Until as recently as 2019, Merriam-Webster defined a vaccine as 'a preparation of killed microorganisms, living attenuated organisms, or living fully virulent organisms that is administered to produce or artificially increase immunity to a particular disease.'"

Since COVID-19 "vaccines" did not meet the former definition of vaccine, Merriam-Webster's vaccine definition was changed to include a description of the experimental COVID-19 gene therapies:

> "1: a preparation that is administered (as by injection) to stimulate the body's immune response against a specific infectious disease: such as
>
> "a: an antigenic preparation of a typically inactivated or attenuated (see ATTENUATED sense 2) pathogenic agent (such as a bacterium or virus) or one of its components or products (such as a protein or toxin) …
>
> "b: a preparation of genetic material (such as a strand of synthesized messenger RNA) that is used by the cells of the body to produce an antigenic substance (such as a fragment of virus spike protein)."

In an example of attempts to alter the perception of reality in real time, a "vaccine" went from being something that produces protective immunity to simply stimulating an immune response. The keywords "to produce immunity" were eliminated from the equation.

This makes the COVID-19 shots fit the description, as they do not make you immune against COVID-19 and weren't designed to prevent infection in the first place.

Further, internal Centers for Disease Control and Prevention (CDC) correspondence obtained through Freedom of Information Act requests shows the reason for the change was simply to shut down arguments by "right-wing COVID-19 pandemic deniers" that "COVID-19 vaccines are not vaccines per CDC's own definition."

Do COVID shots change DNA?

The media insists COVID-19 shots don't alter DNA.

However, Martin has brought attention to a little-known grant from the National Science Foundation, known as Darwinian chemical systems, which involved research to incorporate mRNA into targeted genomes.

According to Martin:

> "Moderna was started … on the back of a 10-year National Science Foundation grant. And that grant was called Darwinian chemical systems … the project that gave rise to the Moderna company itself was a project where they were specifically figuring out how to get mRNA to write itself into the genome of whatever target they were going after.
>
> "That could be a single-celled organism, it could be a multi-celled organism or it could be a human. And the fact of the matter is Moderna was started on the back of having proven that mRNA can be transfected and write itself into the human genome."

It is completely unknown what the short- or long-term effects of the spike protein analog that's inside people who received COVID-19 injections will be.

But with respect to the alteration of the genome, Martin states that data show mRNA has the capacity to write into the DNA of humans, and "as such, the long-term effects are not going to merely be symptomatic. The long-term effects are going to be the human genome of injected individuals is going to be altered."

Reuters' statement that mRNA vaccines are rapidly degraded by the body is also misleading. Usually, if you were to inject RNA into your body, enzymes would immediately break it apart, but the COVID-19 shots are specifically designed so that doesn't happen.

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Real risks of COVID shots covered up

While it was originally advertised that COVID-19 shots "stay in the arm," Pfizer knew since at least November 2020 that the shots may influence the brain.

Pfizer contracted Acuitas Therapeutics to conduct animal studies, which found lipid nanoparticles from COVID-19 shots rapidly traveled to other areas, including the brain, eyes, heart, ovaries and other organs.

While a typical vaccine must undergo 10 to 12 years of trials before it's released, during the pandemic, COVID-19 shots were made available to the public just 10 months after development, courtesy of an Emergency Use Authorization.

Even pregnant women were subjected to the shots, and in many cases were mandated to receive them.

Again, the long-term effects are unknown, but delayed menstruation has already been confirmed following COVID-19 shots, according to a study published in Obstetrics & Gynecology — funded by the National Institute of Child Health and Human Development and the National Institutes of Health Office of Research on Women's Health.

And the European Union has recommended that "heavy menstrual bleeding" be added as a side effect to mRNA COVID-19 shots.

The Institute for Pure and Applied Knowledge felt the data were compelling enough in 2021 to withdraw the shots for vulnerable populations like pregnant women, but health officials chose, instead, to make them guinea pigs for an untested, experimental shot.

No randomized trial data is available for the use of the COVID-19 shot in pregnant women, and Pfizer cut its pregnancy trial short. It has yet to make the results it did find public.

Meanwhile, as the effectiveness of natural immunity became clear, people should have been informed of this and warned of potential risks from COVID-19 shots. This way, they could make an informed decision before consenting to an experimental injection that could have serious effects.

That hasn't happened, however. Instead, as it stands, media continues to share "fact-checked" nonsense that COVID-19 shots are not technically gene therapy, but instead are considered a "genetic-based therapy."

Originally published by Mercola.

The views and opinions expressed in this article are those of the authors and do not necessarily reflect the views of Children's Health Defense.

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Dr. Joseph Mercola
Dr. Joseph Mercola is the founder of Mercola.com.

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Best Newest Oldest

George
13 days ago

The fact that mRNA gene therapy is not a vaccine, based on the 1986 definition of "vaccine", the 1986 vaccine liability protection law shouldn't be used to protect manufacturers of mRNA treatments. In other words, simply changing the definition of the word "vaccine" shouldn't extend the liability protection law's reach to include treatments that employ completely different technology. Instead, the new mRNA technology should be considered based on its own merit. Shoehorning mRNA treatments into the category of vaccine is unscientific and dangerous, especially given the record that ALL mRNA based treatments have failed rigorous safety trials. In fact, all such trials appear to indicate that mRNA treatments have an inherent safety problem that has prevented them from being approved for anything until COVID, and that was based on pretending they are vaccines when they aren't.

Isn't that a strong legal point that could be used to sue for liability?

8 0 Reply • Share ›

Stephen Simac → George
12 days ago

The only "immunity" they confer is to lawsuits=but under the EUA act, not the 1986 vaxx immunity from damages legislation.

2 0 Reply • Share ›

Voyt Regnal
13 days ago

Jonathan Couey (PhD from Pittsburgh) was the one describing these injections as: TRANSFECTION 🤔

Dr. Vladimir Zev. Zelenko (RIP) went straight to the kernel of the issue: 'poison death shots' 😡

8 0 Reply • Share ›

catherine hazur → Voyt Regnal
13 days ago

I can go with transfection for sure! And Zev Zelenko cut right to the chase with POISON DEATH SHOTS. How can we expect to have victory by groveling in front of the Enemy through using their nicey-nice terminology? Who could possibly be against "therapy?" After all, it's to help you get better, isn't it?

"THERAPY?" Dr Mercola is about the LAST person I would have guessed would use that word to refer to the WHACKZINES.....and have his selfsame post republished using the word THERAPY or THERAPEUTIC repeatedly, many, many times. That word gives a strong picture of doing something that is the diametrical opposite of what it actually DOES. Those who unthinkingly use it are participating in deception. Read about the use of LANGUAGE in PROPAGANDA

5 0 Reply • Share ›

MultiChubby1 → catherine hazur
11 days ago

Dr. Mercola has banned me permanently from his site for questioning his affiliations and information in an article he wrote. I wrote nothing profane, hateful, racist sexist etc. I would include the comment here, but, it was removed along with the person's comment I was replying to. Now I am unable to even read the articles. Be careful. Be very careful.

0 0 Reply • Share ›

Meng ❌
12 days ago

You and others can write and say what they want, but at the end of the day only one thing counts:

- ARE THESE JABS SAFE?

And the answer is: DEFINITELY NOT!

END OF DISCUSSION.

7 0 Reply • Share ›

GarySummers
13 days ago edited

BREAKING
"Naomi Wolf: 'Pfizer docs' show the COVID jab 'murders babies in the womb'"!
"Naomi Wolf emphasized that the CDC promoted the COVID jab as 'safe' for pregnant women even after 'knowledge of multiple mRNA shot-induced deaths' to unborn babies."
https://www.lifesitenews.co...

4 0 Reply • Share ›

BChristine
12 days ago

I am so tired of these jabs being called gene "therapy". There is NOTHING "therapeutic" about them!

3 0 Reply • Share ›

GarySummers
13 days ago

"EXCLUSIVE" "Must View"
"Medicine Failed Us | 'Nurse Gail McCrae' "!

Thank God for courageous people like Gail McRae! We can't just let this pass as "old news" as the mainstream media typically wants to move on to the next new thing. People (especially Fauci and the CDC) must be held accountable!
https://rumble.com/v36uula-...

3 0 Reply • Share ›

GarySummers
13 days ago

3 0 Reply • Share ›

catherine hazur → GarySummers
13 days ago

Pure coincidence. In the words of the paycheck writers, "correlation does not mean causation." It can all be easily attributed to COINCIDENCE.
Still funny peculiar about that though, if not funny ha ha or lol

2 0 Reply • Share ›

GarySummers
13 days ago

1.) "BioNTech Faces First German Lawsuit Over Alleged COVID Vaccine Side Effects"
https://www.usnews.com/news...

2.) "More young Americans are "dying – and it's not COVID". Why aren't we searching for answers?"
Without a thorough and collaborative exploration, we can't know what's killing us – or how to stop it.
https://www.usatoday.com/st...

3.) "Pfizer-BioNTech COVID-19 Vaccine "Utilizes Nucleoside-Modified Messenger RNA (modRNA) Technology "not mRNA", Pfizer Documents Reveal"!

'Lawyer Tom Renz has exposed that the COVID-19 vaccines, widely advertised as mRNA (messenger RNA) vaccines, are in fact "lab-created hybrids" known as modRNA.'

"Tom Renz has accused the Food and Drug Administration (FDA), Centers for Disease Control and Prevention (CDC), Pfizer, and others of misleading the world about the true

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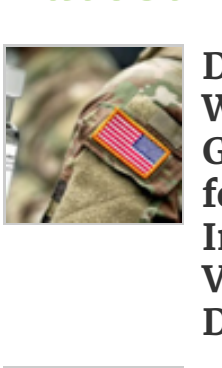

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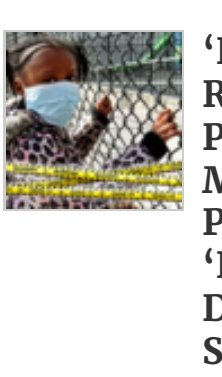

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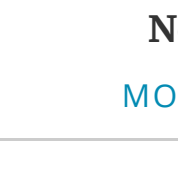

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